

16th ANNUAL
2004 INTERNATIONAL MILITARY & AEROSPACE /
AVIONICS COTS CONFERENCE, EXHIBITION &
SEMINARS
AUGUST 3 – 5, 2004
SEATTLE SEA TAC MARRIOTT

CALL FOR PAPERS

This conference, **SINCE 1988**, has been dedicated to issues assuring the highest quality, availability, reliability and cost effectiveness of microelectronic technology and its insertion into high performance, affordable systems. Commercial-off-the-shelf (**COTS**) issues include the application of non-military plastic encapsulated microcircuits (**PEMs**) on commercially produced printed circuit boards (**PCBs**) and assemblies used in these systems. Discussion of recent developments and future directions will assure relevance of material. The conference will continue to highlight the issues concerning: the why & how of commercial technology insertion; selection process; part & system quality & reliability assurance; and the concerns caused by obsolescence. New emerging technology having military applications will be introduced.

The topics of interest include:

Best Commercial Practice	Chip/System Reliability	COTS Dormant Storage
COTS Acquisition	PEM Field Data	Physics of Failure
Advanced Packaging	PCB Issues	Obsolescence
Supplier/Part Qualification	Upgrading	Reliability Prediction
Space Qualification	Open System Design	Technology Advancements
Screening	Failure Mechanisms	COTS Support/Sustainment
COTS Test & Evaluation	COTS Reliability	MEMS

Other topics will be considered. Must have relevance to the theme of the Conference.

- **On Monday, August 2, 8:00 AM to Noon, the Seminar – “Part Obsolescence: How to Plan and Implement a Parts Obsolescence Program”, will be presented by Professor Michael Pecht, CALCE, University of Maryland.**
- **On Monday, August 2, 1:00 PM to 5:00 PM, the Seminar – “An Introduction to Micro Electro Mechanical Systems (MEMS)”, will be presented by M. Ann Garrison Darrin, Johns Hopkins University Applied Physics Laboratory, Technology Manager, Electronic Services Group TSE, Laurel. MD**

Registration Fee for each of these Seminars is \$425.00.

Conference In Affiliation With:

Johns Hopkins University Applied Physics Laboratory, Laurel, MD, Naval Surface Warfare Center, Crane, IN

Jet Propulsion Laboratory, Pasadena, CA

PAPER SUBMISSION: Authors are requested to Email a one-page Abstract to the **Conference Chairman** by May 1, 2004 for review by the Program Committee. Abstracts must include author's name(s), affiliation and complete address, Email, fax & telephone numbers. Abstracts will be selected on the basis of technical merit, supporting test results & overall suitability. Notification of paper acceptance or rejection will be Emailed by May 30, 2004.

A formal paper is not required for the Proceedings. A Proceedings CD will be mailed to all attendees. Please note that this conference is open to Non-U.S. citizen participants. Company and/or Government clearance of the paper is the author's responsibility.

TECHNICAL PROGRAM COMMITTEE

Stan Purwin (Chairman)
Johns Hopkins University APL, Laurel, MD

Chuck Pagel, Naval Surface Warfare Center, Crane, IN
Tom Stadterman, Army Materiel Systems Analysis Activity, Army Proving Ground, MD.

CONFERENCE CHAIRMAN & COORDINATOR

Edward B. Hakim
The Center for Commercial Component Insertion Inc. (The C3I Inc.)
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Single & double room rate: \$136.00 plus tax per night (Government Per Diem Rate for all).
The cut-off date for this room rate is July 19, 2004. Be sure to make room reservations well before July 19 to be assured of this conference rate.

Registration Fee of \$475.00 includes continental breakfasts, coffee breaks, lunches, cocktail reception, Conference Abstract Booklet and Conference Proceedings. Registration Fee received after July 19, 2004 will be \$550.00.

Speaker & Student Registration Fee will be \$350.00.

Exhibitors will be on hand to discuss relevant products & services

If you have interest participating as an Exhibitor, contact the Conference Chairman for information concerning cost and included benefits.

Please forward this Notice to organizations & individuals at your location & other company sites who have interest in high quality, cost effective electronics!